Heavy Equipment Transporter System (HETS)



MISSION

Transport, deploy, recover and evacuate combat-loaded M1-Series Abrams Tanks or other vehicles of similar weight in support of legacy equipped and digitized combat units.

DESCRIPTION AND SPECIFICATIONS

The Heavy Equipment Transporter System (HETS) consists of the M1070 truck tractor and M1000 semi-trailer. HETS is capable of transporting vehicles in the 70-ton weight range, primarily M1-Series Abrams Tanks. It operates on highways (worldwide with permits), secondary roads, and cross-country. HETS has a number of features that significantly improve the mobility and overall performance of the system in a tactical environment. The M1070 tractor has front and rear-axle steering, a central tire-inflation system, and cab space for six personnel to accommodate the two HETS operators and four tank crewmen. The M1000 semi-trailer has automatically steerable axles and a load-leveling hydraulic suspension. The M1070 and M1000 are procured under separate acquisition programs.

Truck/trailer payload: 70 tons

Engine type: Diesel Transmission: Automatic Number of driven wheels: 8 Range: 325 miles at convoy speed

Speed: 40-45 mph on highway (25-30 mph with 70 ton payload)

Mobility: 95% on road; 5% off road Air transportability: C-17, C-5

FOREIGN COUNTERPART

Czech Republic: TATRA T-816 Tractor; Germany: Daimler-Benz Actros Tractor, Mercedes-Benz Type 2648S Tractor, M.A.N. Tractor, Kogel ST 70-93 Semi-trailer; Italy: IVECO Tractor; France: Lohr SMC 60 DT Semi-trailer; Russia: Volat Tractor, ChMZAP-9990 Semi-trailer; Spain: Kynos ALJABA Tractor and Semi-trailer; United Kingdom: Alvis Unipower MH8875 Tractor with TST 70MD6/2 Semi-trailer, King GTS100/6S-19.5 Semi-trailer.

FOREIGN MILITARY SALES

Israel has procured 37 M1000-type trailers (trailer configuration varies from the U.S. M1000). Egypt has purchased 100 M1070 Tractors; deliveries will continue through 2QFY01.

PROGRAM STATUS

Approximately 1,932 HETS have been fielded to active- and reserve-component forces as of 1QFY01.

PROJECTED ACTIVITIES

- Remaining M1070 tractor procurement, through FY02, contained in the Family of Heavy Tactical Vehicles contract; Contract award projected in 2QFY01;. Remaining M1000 trailer procurement through FY02; Sole-source contract award projected in 2QFY01.
- Fieldings are scheduled for the new, active component cargo transport companies, National Guard transportation companies, and war-reserve stocks.

PRIME CONTRACTORS

Tractor: Oshkosh Truck (Oshkosh, WI)

Trailer: Systems & Electronics, Inc. (St. Louis, MO)



* See appendix for list of subcontractors

